

Title (en)
SYSTEM AND METHOD OF ENSURING LEGITIMACY OF A SENSOR SIGNAL RECEIVED FROM A ROTOR POSITION SENSOR IN A MOTOR

Title (de)
SYSTEM UND VERFAHREN ZUR SICHERSTELLUNG DER GÜLTIGKEIT EINES ROTOR-POSITIONSSIGNALS IN EINEM MOTOR

Title (fr)
SYSTEME ET PROCEDE PERMETTANT DE S'ASSURER DE LA LEGITIMITE D'UN SIGNAL DE CAPTEUR EMANANT D'UN CAPTEUR DE POSITION D'UN ROTOR DANS UN MOTEUR

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Abstract (en)
[origin: US2006089818A1] A system and method of ensuring legitimacy of a sensor signal received from a rotor position sensor in a motor is provided that includes polling the sensor to determine a first state of the sensor signal, determining a first time delay by summing a first plurality of time constants, and initiating a first time delay. Also included is re-polling the sensor to determine a second state of the sensor signal, determining a second time delay by summing a second plurality of time constants, initiating a second time delay if the second state of the sensor signal is the same as the first state of the sensor signal, re-polling sensor to determine a third state of the sensor signal, and considering the sensor signal as a legitimate signal if the third state of the sensor signal is the same as the first and second states of the sensor signal.

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